RECEIVED

MAR 2 7 2007

From the INTERNATIONAL SEARCHING AUTHORITY

To: ANDREW V. SMITH	PCTackson & Co., LLP
JACKSON & CO., LLP 6114 LA SALLE AVENUE, #507 OAKLAND, CA 94611-2802	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
	(PCT Rule 44.1)
	Date of mailing (day/month/year) 06 MAR 2007
Applicant's or agent's file reference FN-143-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US06/32959	International filing date (day month/year) 22 August 2006 (22.08.2006)
Applicant FOTONATION VISION LIMITED	
The applicant is hereby notified that the international search have been established and are transmitted herewith.	ch report and the writte pinion of the International Searching Authority
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clai	ms of the international application (see Rule 46):
When? The time limit for filing such amendments is a search report.	normally two months from the date of transmittal of the international
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.:	
For more detailed instructions, see the notes on the ac-	companying sheet.
2. The applicant is hereby notified that no international search. Article 17(2)(a) to that effect and the written opinion of the	h report will be established and that the declaration under e International Searching Authority are transmitted herewith.
3. With regard to the protest against payment of (an) additi	ional fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon has bee request to forward the texts of both the protest and the	n transmitted to the International Bureau together with the applicant's e decision thereon to the designated Offices.
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.
4. Reminders	
Bureau. If the applicant wishes to avoid or postpone publication	, the international application will be published by the International n, a notice of withdrawal of the international application, or of the Rules 90bis.1 and 90bis.3, respectively, before the completion of the
International Bureau. The International Bureau will send a copy	the written opinion of the International Searching Authority to the of such comments to all designated Offices unless an international These comments would also be made available to the public but not
Within 19 months from the priority date, but only in respect of examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for
In respect of other designated Offices, the time limit of 30 months	
See the Annex to Form PCT/IB/301 and, for details about the app Volume II, National Chapters and the WIPO Internet site.	olicable time limits. Office by Office, see the PCT Applicant's Guide.
Name and mailing address of the ISA/ US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Amir Alavi
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 571-772-7386

MAR 2 7 2007

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Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla			
When? The time limit for filing such amendments is search report.	normally two months from the date of transmittal of the international		
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.			
For more detailed instructions, see the notes on the ac-	ccompanying sheet.		
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.			
3. With regard to the protest against payment of (an) addit	ional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has bee request to forward the texts of both the protest and the	on transmitted to the International Bureau together with the applicant's ne decision thereon to the designated Offices.		
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.		
4. Reminders			
Bureau. If the applicant wishes to avoid or postpone publicatio	the international application will be published by the International in, a notice of withdrawal of the international application, or of the Rules 90bis.1 and 90bis.3, respectively, before the completion of the		
International Bureau. The International Bureau will send a copy	the written opinion of the International Searching Authority to the of such comments to all designated Offices unless an international These comments would also be made available to the public but not		
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for		
In respect of other designated Offices, the time limit of 30 months	s (or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the app Volume II, National Chapters and the WIPO Internet site.	plicable time limits, Office by Office, see the PCT Applicant's Guide.		
Name and mailing address of the ISA/ US	Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Amir Alavi		
P.O. Box 1450 Alexandria, Virginia 22313-1450	Tolanhana No. 571-272-7386		

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FN-143-PCT	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below		
International application No. PCT/US06/32959	International filing date (day/month/year) 22 August 2006 (22.08.2006)	(Earliest) Priority Date (day/month/year) 11 August 2006 (11.08.2006)	
Applicant FOTONATION VISION LIMITED			
This international search report consists of It is also accompanied 1. Basis of the Report a. With regard to the language, the international a a translation of the of a translation furb. With regard to any nucleotid control of invention is lacking the text is approved as submitthe text has been established.	by a copy of each prior art document cited international search was carried out on the bas application in the language in which it was file international application into rnished for the purposes of international search le and/or amino acid sequence disclosed in the language in the lan	in this report. sis of: ed, which is the language th (Rules 12.3(a) and 23.1(b))	
5. With regard to the abstract, the text is approved as submi	tted by the applicant.		
	according to Rule 38.2(b), by this Authority at the date of mailing of this international search		
as suggested by the a	uthority, because the applicant failed to sugge uthority, because this figure better characteriz		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/32959

Box IV TEXT OF THE ABSTRACT	(Continuation of Item 5 of the first sheet)
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An image processing apparatus for tracking faces in an image stream iteratively receives a new acquired image from the image potentially including one or more face regions. The acquired image is a breast part of the many process and the complete from the many forms and the complete from the many from the many forms and the complete from the many from the		
	detection (120) is applied to at least a portion of the integral image to provide a set of candidate face regions produced and any previously detected candidate face regions, the resolution at which a next acquired image is	
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/32959

	SSIFICATION OF SUBJECT MATTER			
IPC:	G06K 9/00(2006.01),9/32(2006.01),9/34(2006.0	1).9/40(20	06.01)	
USPC:	382/115,118,173,254,299,300			
According to	o International Patent Classification (IPC) or to both na	itional class	sification and IPC	
B. FIEL	DS SEARCHED			
	ocumentation searched (classification system followed	hy classific	etion cumbale)	
	82/115,118,173,254,299,300	by classific	actori symbols)	
Documentati	on searched other than minimum documentation to the	extent that	such documents are included in	the fields searched
			oven documents are meraded in	the holds searched
Electronic de	ata baca consulted during the international charch (non	a of data be	on and where practicable cancel	turms wead
Electionic da	ata base consulted during the international search (nam	e oi data da	ise and, where practicable, scarci	i terms useu)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ippropriate,	of the relevant passages	Relevant to claim No.
	US 7,082,212 A (LIU et al) 25 July 2006 (25.07.200			1-57
		,.		
	L			
Further	documents are listed in the continuation of Box C.		See patent family annex.	
* S	pecial categories of cited documents:	"T"	later document published after the intern date and not in conflict with the applicat	
	defining the general state of the art which is not considered to be of		principle or theory underlying the invent	
·	relevance	"X"	document of particular relevance, the cla	
"E" earlier ap	plication or patent published on or after the international filing date		considered novel or cannot be considere when the document is taken alone	d to involve an inventive step
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"γ"	document of particular relevance; the cla	unad intention cannot be
specified)		•	considered to involve an inventive step v	when the document is combined
"O" document	referring to an oral disclosure, use, exhibition or other means		with one or more other such documents, obvious to a person skilled in the art	such combination being
"P" document	published prior to the international filing date but later than the	&."	document member of the same patent far	nily
	nte claimed			
Date of the ac	ctual completion of the international search	Date of n	nailing of the international search	report
	007 (30.01.2007)	06	MAR 2007	
	illing address of the ISA/US	Aulhorize	ed officer	
	l Stop PCT, Attn: ISA/US amissioner for Patents	Amir Ala	ivi Y XX	
P.O	. Box 1450	Telephon	e No. 571-272-7386	
	kandria, Virginia 22313-1450 . (571) 273-3201			
	· .	L		

From the INTERNATIONAL SEARCHE	NG AUTHOR	JTY		
To: ANDREW V. SMITH JACKSON & CO., LLP 6114 LA SALLE AVENUE, #507		PCT WRITTEN OPINION OF THE		
OAKLAND, CA 94611-2802	<u> </u>			ONAL SEARCHING AUTHORITY
				(PCT Rule 43bis.1)
			Date of mailing (day/month/year)	0 C MAD 2007
Applicant's or agent's file refe	rence		FOR FURTHER	ACTION MAR 2007
FN-143-PCT				See paragraph 2 below
International application No.	In	nternational filing date	(day/month/year)	Priority date (day/month/year)
PCT/US06/32959		2 August 2006 (22.08.2		11 August 2006 (11.08.2006)
International Patent Classificat	ion (IPC) or b	oth national classificati	on and IPC	
IPC: G06K 9/00(2006.01 USPC: 382/115,118,173,254)1),9/34(2006.01),9/40	(2006.01)	
Applicant				
FOTONATION VISION LIMI	TED			
1. This opinion contains indi	cations relatin	g to the following item	s:	
Box No. I B	Basis of the op	inion		
Box No. II P	Box No. II Priority			
Box No. III N	lon-establishm	nent of opinion with reg	gard to novelty, inve	ntive step and industrial applicability
Box No. IV	ack of unity o	f invention		
		ment under Rule 43 <i>bis.</i> itations and explanation		o novelty, inventive step or industrial latement
Box No. VI Certain documents cited				
Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application				
2. FURTHER ACTION				
International Preliminary	Examining A	Authority ("IPEA") ex- IPEA and the chosen I	cept that this does PEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses and International Bureau under Rule 66.1 <i>bis(h)</i> ered.
	her, where ap efore the expi	propriate, with amendr ration of 22 months fro	nents, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.
3 For further details, see note				
Name and mailing address of the	ne ISA/ US	Date of complet	ion of this opinion	Authorized officer
Mail Stop PCT, Attn: IS Commissioner for Paten	a/us	·	•	Amir Alghi
P.O. Box 1450				Telephone No. 571-272-7386

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/32959

applicability; citations and expl	e 43 bis.1(a)(i) with regard to novelty, inven anations supporting such statement	tive step or industrial
1. Statement		
Novelty (N)	Claims 1-57	YES
Hovely (17)	Claims NONE	
		WEC
Inventive step (IS)	Claims 1-57	
	Claims NONE	NO
Industrial applicability (IA)	Claims <u>1-57</u>	YES
muisma appheasing (171)	Claims NONE	NO
2. Citations and explanations:		
detected face regions, adjusting the resolution at w		

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is can welled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:

 "Claims 1 to 6 and 14 unabanged: claims 7 to 13 gangelled: new claims 15, 16 and 17 added." or
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.